

Application No: 10/556,122  
Amendment A  
Reply to Office Action Dated 07/26/2007

Attorney Docket No: 3926.215

RECEIVED  
CENTRAL FAX CENTERIN THE SPECIFICATION:

SEP 19 2007

Please replace paragraph [0003] with the following:

[0003] Recently tribologically highly resistant materials are increasingly used for modern high performance brake disks. Here for example metal-matrix-composites (MMC) or carbon fiber reinforced ceramics on the bases basis of silicon carbide can be utilized. For car racing, friction rings based on carbon fiber reinforced carbon (C/C) are preferably utilized. Suchlike materials necessitate the usage of different materials for the friction ring and the brake disk hub. Friction ring and brake disk hub together constitute the brake disk.

Please replace paragraph [0008] with the following:

[0008] The bake brake disk according to the invention features a friction ring and a brake disk hub. Here the term brake disk hub is understood as a linking element in general, which constitutes the connection between the friction ring and the hub of the wheel. In the case that the friction ring is directly attached to the hub of the wheel, the wheel hub itself is regarded as the brake disk hub according to the invention. The friction ring is understood as the part of the brake disk which contacts the brake pads in a retarding engagement.

Please replace paragraph [00018] with the following:

[00018] The friction ring 4 as well as the brake disk hub 6 feature ring lands 8 and 10. The ring lands 8 and 10 in turn feature recesses 14, 16 in the friction ring [[14]] 4 and in the brake disk hub [[16]] 6 respectively. These recesses 14 and 16 are shown in the cross sectional view of Fig. 2 and they are not visible in Fig. 1.

Please replace paragraph [00022] with the following:

[00022] In Fig. Figs. 3 and 4 two embodiments of joining arrangements 12 are shown schematically. In the brake disk arrangement shown in Fig. Figs. 3 and 4 the disk brake is not  
(WP429993;1)

Application No: 10/556,122

Amendment A

Reply to Office Action Dated 07/26/2007

Attorney Docket No: 3926.215

identical with the one shown in Fig. Figs. 1 and 2. Nevertheless the same reference numbers are used for parts with similar or the same function. The embodiment in Fig. 3 features a friction ring 4 and a brake disk hub 6. Both in turn feature an ring land 8 and 10 respectively 10, which overlap each other. The ring lands 8 and 10 feature recesses 14 and 16 wherein the recesses 16 in the brake disk hub 4 are in the shape of a radial slot. This oblong recess 16 provides room for a radial expansion of the brake disk hub 6 at elevated temperatures, without inducing flexural stress in the friction ring 4.